



Science – Key Vocabulary

National Curriculum statements in red are from other linked topics.

Plants

Year 1	Leaf, flower, blossom, petal, fruit, berry, root, seed, trunk, branch, stem, bark, stalk, bud
Year 2	As for year 1 plus - light, shade, sun, warm, cool, water, grow, healthy, germinate
Year 3	Photosynthesis, pollen, insect/wind pollination, seed formation, seed dispersal – wind dispersal, animal dispersal, water dispersal
Year 4	Classification, classification keys, environment, habitat, human impact, positive, negative, migrate, hibernate (Y4 – Living things and their habitats)
Year 5	Life cycle, reproduce, sexual, sperm, fertilises, egg, live young, metamorphosis, asexual, plantlets, runners, bulbs, cuttings (Y5 – Living things and their habitats)
Year 6	Vertebrates, fish, amphibians, reptiles, birds, mammals, invertebrates, insects, spiders, snails, worms, flowering and non-flowering (Y6 – Living things and their habitats)

Living things and their habitats

Year 1	See Plants
Year 2	Living, dead, never been alive, suited, suitable, basic needs, food, food chain, shelter, move, feed, names of local habitats e.g. pond, woodland etc., names of micro-habitats e.g. under logs, in bushes etc.
Year 3	See Plants
Year 4	Classification, classification keys, environment, habitat, human impact, positive, negative, migrate, hibernate
Year 5	Life cycle, reproduce, sexual, sperm, fertilises, egg, live young, metamorphosis, asexual, plantlets, runners, bulbs, cuttings
Year 6	Vertebrates, fish, amphibians, reptiles, birds, mammals, invertebrates, insects, spiders, snails, worms, flowering, non-flowering

Animals including humans

Year 1	Head, body, eyes, ears, mouth, teeth, leg, tail, wing, claw, fin, scales, feathers, fur, beak, paws, hooves
Year 2	Offspring, reproduction, growth, child, young/old stages (examples - chick/hen, baby/child/adult, caterpillar/butterfly), exercise, heartbeat, breathing, hygiene, germs, disease, food types (examples – meat, fish, vegetables, bread, rice, pasta)
Year 3	Nutrition, nutrients, carbohydrates, sugars, protein, vitamins, minerals, fibre, fat, water, skeleton, bones, muscles, support, protect, move, skull, ribs, spine, muscles, joints
Year 4	Digestive system, digestion, mouth, teeth, saliva, oesophagus, stomach, small intestine, nutrients, large intestine, rectum, anus, teeth, incisor, canine, molar, premolars, herbivore, carnivore, omnivore, producer, predator, prey, food chain
Year 5	Vocab to be decided alongside PSRHE puberty topic (applicable Jigsaw unit)
Year 6	Heart, pulse, rate, pumps, blood, blood vessels, transported, lungs, oxygen, carbon dioxide, nutrients, water, muscles, cycle, circulatory system, diet, exercise, drugs and lifestyle

Evolution and inheritance

Year 1	
Year 2	Living, dead, never been alive, suited, suitable, basic needs, food, food chain, shelter, move, feed, names of local habitats (Y2 – Living things and their habitats)
Year 3	Fossil (Y3 – Rocks)
Year 4	Habitat, human impact, positive, negative (Y4 – Living things and their habitats)
Year 5	
Year 6	Offspring, sexual reproduction, vary, characteristics, suited, adapted, environment, inherited, species, fossils

Materials

Year 1	Object, material, wood, plastic, glass, metal, water, rock, brick, paper, fabric, elastic, foil, card/cardboard, rubber, wool, clay, hard, soft, stretchy, stiff, bendy, floppy, waterproof, absorbent, breaks/tears, rough, smooth, shiny, dull, see through, not see through
Year 2	Names of materials – increased range from year 1 Properties of materials - as for year 1 plus opaque, transparent and translucent, reflective, non-reflective, flexible, rigid, shape, push/pushing, pull/pulling, twist/twisting, squash/squashing. Bend/bending, stretch/stretching
Year 3	Rock, stone, pebble, boulder, grain, crystals, layers, hard, soft, texture, absorb water, soil, fossil, marble, chalk, granite, sandstone, slate, soil, peat, sandy/chalk/clay soil (Y3 – Rocks)
Year 4	Solid, liquid, gas, state change, melting, freezing, melting point, boiling point, evaporation, temperature, water cycle (Y4 States of Matter)
Year 5	Thermal/electrical insulator/conductor, change of state, mixture, dissolve, solution, soluble, insoluble, filter, sieve reversible/non-reversible change, burning, rusting, new material
Year 6	

Rocks

Year 1	Object, material, rock, brick (See Y1 – Everyday materials)
Year 2	Properties of materials (See Y2 – Uses of everyday materials)
Year 3	Rock, stone, pebble, boulder, grain, crystals, layers, hard, soft, texture, absorb water, soil, fossil, marble, chalk, granite, sandstone, slate, soil, peat, sandy/chalk/clay soil
Year 4	
Year 5	
Year 6	Fossils (Y6 – Evolution and inheritance)

Light

Year 1	Eyes (Y1 – Animals including humans)
Year 2	
Year 3	Light, light source, dark, absence of light, transparent, translucent, opaque, shiny, matt, surface, shadow, reflect, mirror, sunlight, dangerous
Year 4	
Year 5	
Year 6	As for year 3 plus straight lines, light rays.

Forces

Year 1	
Year 2	Squash, bend, twist, stretch (Y2 – Uses of everyday materials)
Year 3	Force, push, pull, twist, contact force, non-contact force, magnetic force, magnet, strength, bar magnet, ring magnet, button magnet, horseshoe magnet, attract, repel, magnetic material, metal, iron, steel, poles, north pole, south pole
Year 4	
Year 5	Force, gravity, Earth, air resistance, water resistance, friction, mechanisms, simple machines, levers, pulleys, gears
Year 6	

Sound

Year 1	Ears (Y1 – Animals including humans)
Year 2	
Year 3	
Year 4	Sound, source, vibrate, vibration, travel, pitch (high, low), volume, faint, loud, insulation
Year 5	
Year 6	

Electricity

Year 1	
Year 2	
Year 3	
Year 4	Electricity, electrical appliance/device, mains, plug, electrical circuit, complete circuit, component, cell, battery, positive, negative, connect/connections, loose connection, short circuit, crocodile clip, bulb, switch, buzzer, motor, conductor, insulator, metal, non-metal, symbol
Year 5	
Year 6	Circuit, complete circuit, circuit diagram, circuit symbol, cell, battery, bulb, buzzer, motor, switch, voltage - NB Children do not need to understand what voltage is but will use volts and voltage to describe different batteries. The words cells and batteries are now used interchangeably

Earth and space

Year 1	Weather (sunny, rainy, windy, snowy etc.), seasons (Winter, Summer, Spring, Autumn), sun, sunrise, sunset, day length, monsoon, Khareef, thunder storm (Y1 – Seasonal changes)
Year 2	
Year 3	
Year 4	
Year 5	Earth, Sun, Moon, (Mercury, Jupiter, Saturn, Venus, Mars, Uranus, Neptune) spherical, solar system, rotates, star, orbit, planets
Year 6	